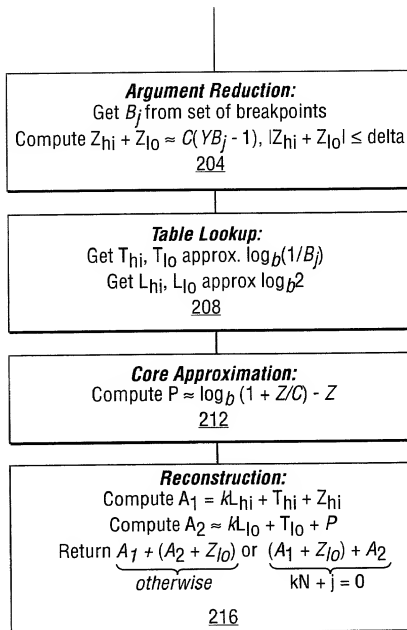


Table-Lookup Methodology with a Branch, for $\log_b(X)$.

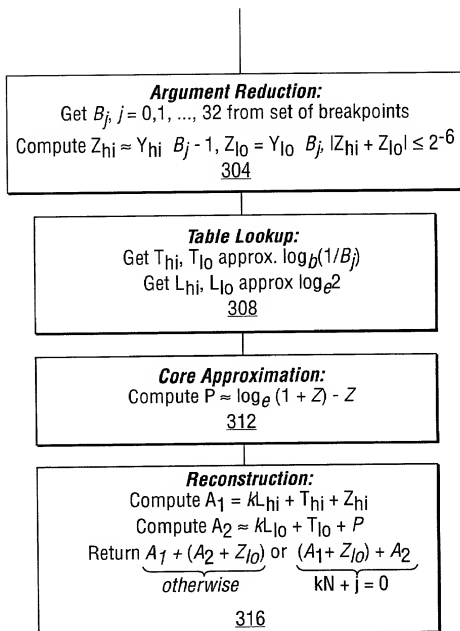
FIG. 1
(PRIOR ART)

2007 RELEASE UNDER E.O. 14176



A Branch-Free Table-Lookup Methodology for $\log_b(X)$.

FIG. 2



Branch-Free Table-Lookup $\log_e(X)$.

FIG. 3

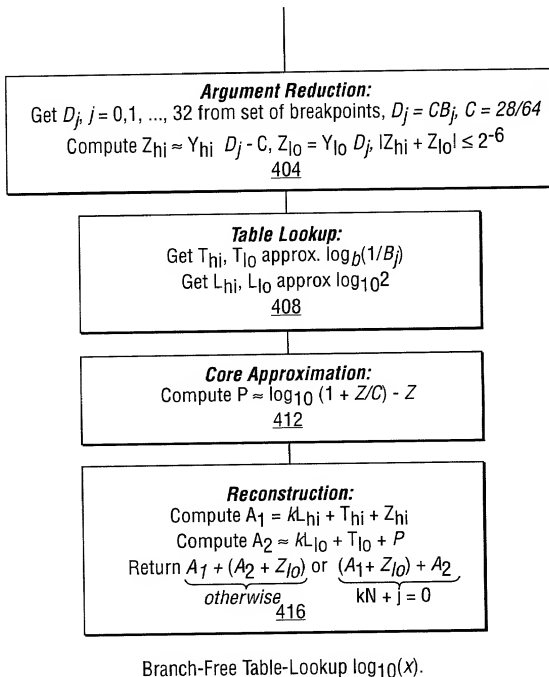


FIG. 4

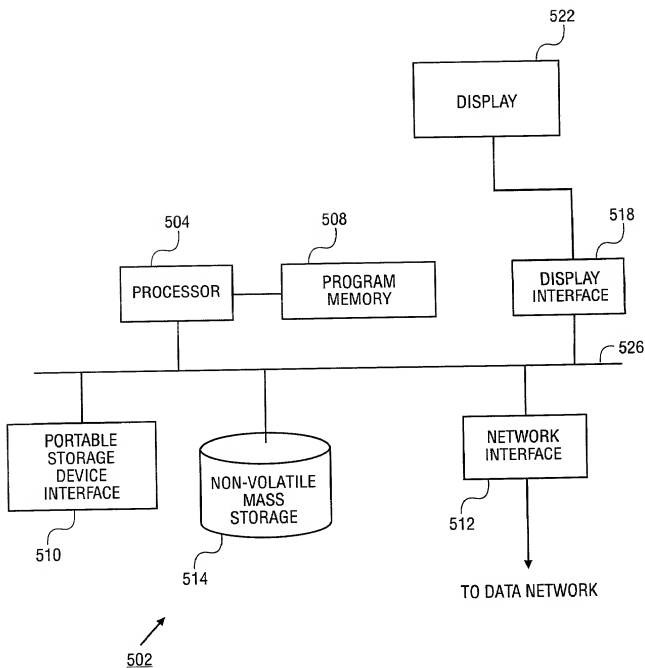


FIG. 5